Approved For Release 200210/16 : CIA-RDP63-00313A000500120085-1

	A part of the second
25X1A	3001-63 Copy_of 6
	SUBJECT : Factors Affecting the J50 Engine Equipped A-12 Aircraft Flight Test Program
25X1A	PEFERENCE: 3000-63, dated 21 July 63 titled: "Factors Affecting A-12 Flight Test and Which Sumber Extension"
25X1A	1. As indicated in reference memorandum, much of the responsibility for slow progress since I April 63 is due primarily to several isolated factors resulting in excessive down time rather than to any impasse set up by the technical problems associated with the program. Attachment I tabulates these factors with their attendant delays in terms of circraft weeks. Since I April 63, these factors have resulted in aircraft being utilized for flight test purposes approximately 36% of the time. The largest single delaying influence, occurring largely in April and May, was Foreign Object Damago. Improvement in this area has been substantial. The second largest single factor was and still is circraft final assembly at prior to first flight. Minimum activity in terms of numbers of Lockhead people is the crux of this second largest factor which also involves layup and turnaround time not reflected in the Attachment.
	2. Attachment II, Sheet 1, showing the J50 equipped aircraft flight hours per week rate versus calendar time may be compared with the above cited Attachment I. Obviously had it not been for items 6 through 9 of Attachment I, costing 14 1/2 aircraft weeks, the maximum achieved rate during July sould have been sustained and exceeded.
25X1A	3. Since Foreign Object Damage has been the subject of several other memorands it needs no further discussion at the moment. Aircraft final essenbly time at is again falt worthy of mention. The conservative planning factor used early in the program by Headquarters was 6 weeks for aircraft preparation for flight after delivery. Mr. Johnson preferred the more optimistic figure of 4 weeks. Attachment

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Page	2	

which occurred prior to 1 April 63 and therefore is not reflected in Attachment I. With the exception of the ONIART aircraft #123 and the initial UEAF AF-12 aircraft #1001 which was completed in 5 1/2 weeks, nost assembly times are running from two to three months.

SIGNED

25X1A

Aircraft Systems Division (Special Activities)

Attachments I, II, and III

oc: DD/S&T thru AD/OSA

25X1A

ASD/OSA: MVP (12 Aug 63)

Distribution:

Cy 1 - DO/SMT thru AD/OSA

2 - AD/OBA

3 - D/TECH/OSA

485 - AED/OSA

6 - PE/OSA

7 - ASD/OSA (chroso)

8 - RB/OSA

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APTACH I SPECT I

J98 AIRCRAFT DOWN TIME BINGS 1 APRIL '63 Applicable to Several Apparent Major Pactors

12 Aug 1963

A.	FACTUR	ADRIBATT	APPROXIMATE A	DES SINCE 1 APRIL 1963
1.	Arc. 50 Modification	125	April	
2.	Foreign Object Damage and Resulting Anti-FOD Modifica- tions	121 122 125 126 127	4/26 - 5/17 5/2 - 5/22 5/2 - 6/17 4/20 - 6/11 8/2 - 8/10	4 3 6 7
3.	Verther	all	Apr - June	2
h.	Aircraft 123 Accident	all	5/24	t,
5.	Engine 223 Bearing Pailure	all	6/26	à,
6.	Aircraft 122 Deident	122	7/19 -	3
7.	Modification to Activate Operating Delet-Automatic Controls Installation	125 126	7/22 - 7/32	3 3
9.	Aircraft 121 Dalet McCifica- tions to Redistribute Airflow Including Bugine Compressor Honeycomb Problem	121	7/31 - 8/12	2
9. 25X1/	Aircraft Final Assembly Time Prior to First Flight (* only those weeks In excess of six weeks assemble time and one week POD problem	127	5/15 - 6/12 7/12 - 1 (20v in 5th week)	6*
	are listed)		7	West TO

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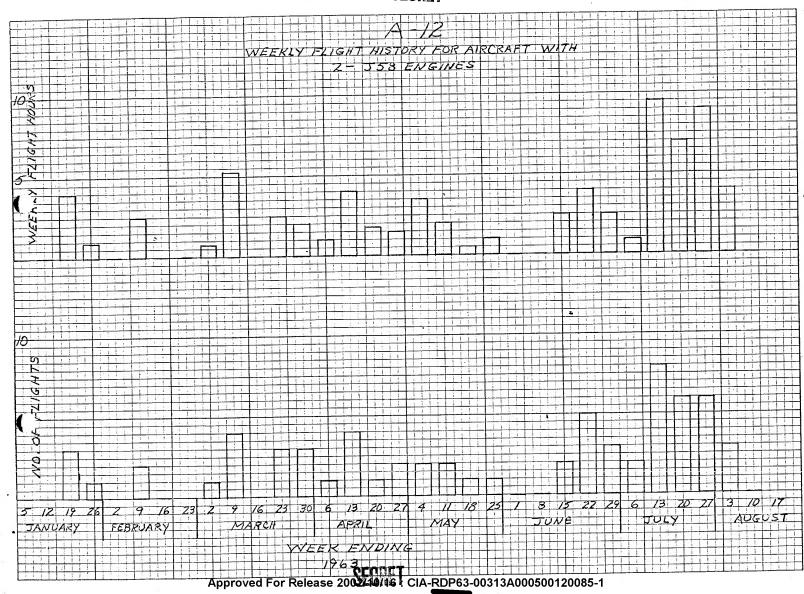
ATTAGE I

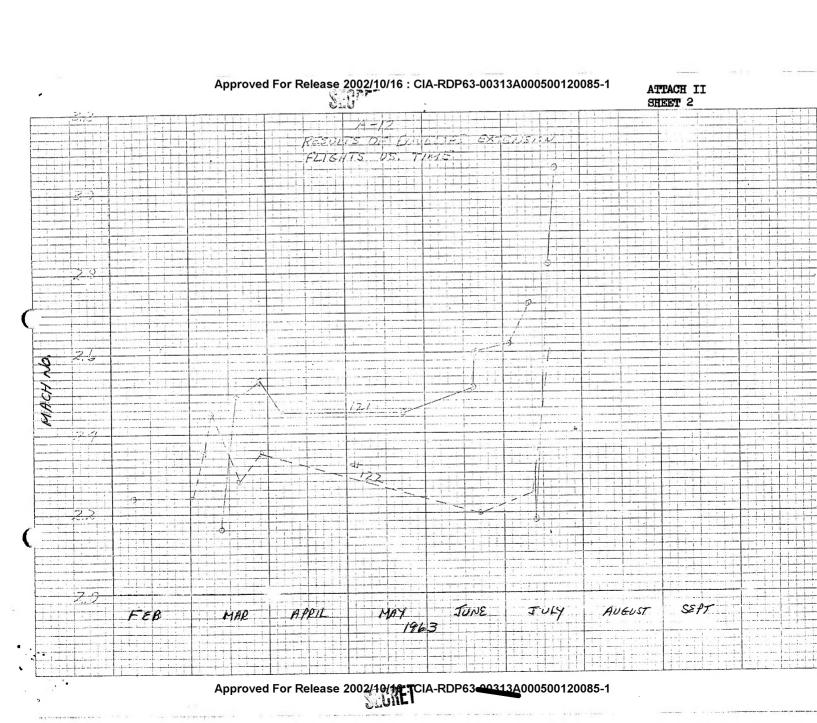
- Note: 1) The above tabulation based on Meadquarters records
 deals with only those factors listed and therefore
 does not reflect delays or down time resulting from
 the day to day airframe and engine problems, flight
 test problems, and system maintenance and turneround
 between flights.
- E. There have been 19 chromological weeks since I April 1963. Alterest 121,122, and 125 have been available during these 19 weeks making a total of 3 x 19 = 57 alterest weeks available. Alterest 126, when adjusted to account for a 6 weeks "normal" assembly time, has been available for 13 weeks. Alterest 127, when adjusted to account for a 6 weeks "normal assembly time, has been available for 7 weeks. Totalling the 57 13 7 yields 77 alterest weeks available during the period since 1 April 1963. Comparing 49% alterest weeks of down time, only 27% alterest weeks of the 77 available were actually utilized. This reflects a utilization factor (27%) of only 36%.

EUGENE DIETZGEN CO.

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ATTACH II SHEET 1

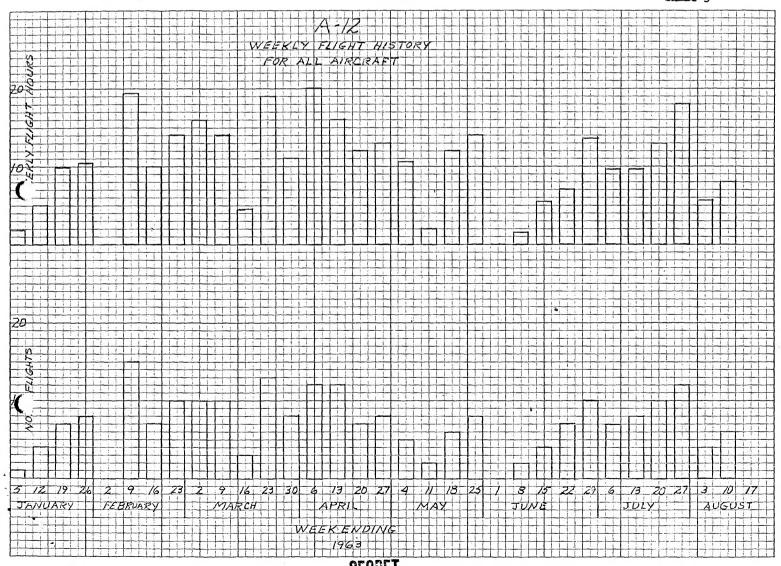




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ATTACH II SHEET 3



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ATTACH III

25X1A

AIRCHAFT FINAL ASSEMBLY EXPERIBINE

	Arr	ival	. Date	F	irm	flight	Assy. Time	50	cond	Flight
A CONTRACTOR OF THE PROPERTY O	25	Fe b	ĞŻ	26	Apr	62	Two months	3	May	62
322		Jul	62	15	Jan	ë 3	Turne months AR test Turne months army.	Ü	Fet	ยัง
*****		ÅU.	62	9	Çeş	K	One and one-half	16	0et	W
1.24		acry	62	7	a e i,	<u> </u>	Two mention	10	Jazi	63
1.23	17	IMC	65	23	-	63	Three spatis	25	Jun	63
126	20	Tax.	63	3)	Jan	63	Three months	21	Jun	6.
	1.4	ALL Y	63	Se	ued.	14 Aug 63	Three states			
1011 (AF-12)	¥.	out,	63	7	AME	63	Five and one-half works	9	Aug	63
	12	Jul	. 63							